

Listing of the Claims

The current status of all claims is as follows:

Claims 1-43 (Cancelled).

44. (New) An ambulatory medical pumping system comprising:

an ambulatory medical pump, the ambulatory medical pump including:

a pump mechanism;

a programmable circuit programmed to control the pump mechanism, the

programmable circuit being independently programmable and operable;

a communication port in electrical communication with the programmable circuit;

and

an ambulatory remote electronic device including:

a communication port; and

a circuit in electrical communication with the communication port of the

ambulatory remote electronic device, the circuit configured to selectively

transmit a signal to the communication port of the ambulatory medical

pump, wherein the signal affects operation of the programmable circuit in

the ambulatory medical pump.

45. (New) The ambulatory medical pumping system of claim 44 further comprising a wired link selectively connectable between the communication port of the ambulatory remote electronic device and the communication port of the ambulatory medical pump.

46. (New) The ambulatory medical pumping system of claim 44 wherein the circuit and communication port of the ambulatory remote electronic device are configured to wirelessly transmit the signal to the ambulatory medical pump.

47. (New) The ambulatory medical pumping system of claim 46 wherein the circuit and communication port of the ambulatory remote electronic device are configured to transmit an infrared signal.

48. (New) The ambulatory medical pumping system of claim 44 wherein the circuit in the ambulatory remote electronic device is a programmable circuit.

49. (New) The ambulatory medical pumping system of claim 48 wherein the ambulatory remote electronic device further includes a display in electrical communication with the circuit.

50. (New) The ambulatory medical pumping system of claim 48 wherein the ambulatory remote electronic device is a second ambulatory medical pump.

51. (New) The ambulatory medical pumping system of claim 44 wherein:
the ambulatory medical pump includes a user interface having at least one key, the user interface being in electrical communication with the programmable circuit in the ambulatory medical pump;
the ambulatory remote electronic device includes a user interface having at least one key, the user interface being in electrical communication with the circuit in the ambulatory remote electronic device; and
at least one key on the user interface of the ambulatory remote electronic device has a comparable key on the user interface of the ambulatory medical pump.

52. (New) The ambulatory medical pumping system of claim 51 wherein:
the programmable circuit in the ambulatory medical pump is programmed to execute a function; and
a key of the ambulatory medical pump and a comparable key of the ambulatory remote electronic device both initiate execution the function.

53. (New) The ambulatory medical pumping system of claim 44 wherein:

the ambulatory medical pump includes a user interface having at least one key, the user interface being in electrical communication with the programmable circuit;
the ambulatory remote electronic device includes a user interface having at least one key, the user interface being in electrical communication with the circuit in the ambulatory remote electronic device; and
each of the one or more keys on the user interface of the ambulatory remote electronic device has a comparable key on the user interface of the ambulatory medical pump.

54. (New) The ambulatory medical pumping system of claim 44 wherein the circuit of the ambulatory remote electronic device has a master mode and the programmable circuit of the ambulatory medical pump has a slave mode.

55. (New) The ambulatory medical pumping system of claim 54 wherein the programmable circuit in the ambulatory medical pump has a slave mode and a normal pumping mode, and the programmable circuit will not control the pumping mechanism to deliver fluid when in the slave mode.

56. (New) The ambulatory medical pumping system of claim 44 wherein:
the circuit in the ambulatory remote electronic device is configured to selectively transmit a code;
the ambulatory medical pump includes one or more keys in electrical communication with the programmable circuit;
the programmable circuit in the ambulatory medical pump is programmed with the code, the code preventing operation of the programmable circuit from being altered by manipulation of the one or more keys on the ambulatory medical pump; and
the programmable circuit in the ambulatory medical pump at least partially enables operation of the programmable circuit in the ambulatory medical pump to be effected by a signal received from the ambulatory remote electronic device upon processing the code received from the ambulatory remote electronic device.

57. (New) An ambulatory medical pump, the ambulatory medical pump including:
- a housing adapted to receive a reservoir containing a medical fluid, the combined housing and reservoir being ambulatory;
 - a pump mechanism positioned within the housing;
 - a communication port configured to receive a signal from an ambulatory remote electronic device; and
 - a programmable circuit positioned within the housing, the programmable circuit being independently programmable and operable and in electrical communication with the communication port, the programmable circuit programmed to control the pump mechanism in response to the signal received at the communication port from the ambulatory remote electronic device.
58. (New) The ambulatory medical pump of claim 57 wherein the communication port is configured to receive signals over a wire.
59. (New) The ambulatory medical pump of claim 57 wherein the communication port is configured to receive wireless signals.
60. (New) The ambulatory medical pump of claim 59 wherein the communication port is configured to receive infrared signals.
61. (New) The ambulatory medical device of claim 57 wherein the programmable circuit has a slave mode.
62. (New) The ambulatory medical device of claim 61 wherein the programmable circuit has a pumping mode.
63. (New) The ambulatory medical device of claim 57 wherein
- the programmable circuit is programmed with a code, the code preventing operation of the programmable circuit from being altered by manipulation of the one or more keys on the ambulatory medical pump; and

in response to receiving the code from a remote ambulatory electronic device, the programmable circuit in the ambulatory medical pump at least partially enables operation of the programmable circuit to be effected by a signal received from the ambulatory remote electronic device.

64. (New) The ambulatory medical device of claim 57 further comprising an ambulatory remote electronic device, the ambulatory remote electronic device configured to generate and transmit the signal.

65. (New) An ambulatory remote electronic device for controlling an ambulatory medical pump, the ambulatory remote electronic device comprising:

an ambulatory housing;

a communication port;

a user interface having one or more keys; and

a circuit positioned within the ambulatory housing, the circuit in electrical

communication with the communication port and the user interface, the circuit programmed to generate a signal in response to activation of one or more keys on the user interface and transmit the signal through the communication port, the signal controlling operation of an independently programmable and operable ambulatory medical pump.

66. (New) The ambulatory remote electronic device of claim 65 wherein the circuit is a programmable circuit.

67. (New) The ambulatory remote electronic device of claim 65 further comprising a display in electrical communication with the circuit.

68. (New) The ambulatory remote electronic device of claim 65 further comprising a pump mechanism in electrical communication with the circuit.

69. (New) The ambulatory remote electronic device of claim 65 wherein at least one of the keys has a comparable key on the ambulatory medical pump controlled by the circuit.

70. (New) The ambulatory remote electronic device of claim 69 wherein:

activation of a key on the ambulatory remote electronic device initiates performance of a function on the ambulatory medical pump; and
the function initiated by the key on the ambulatory remote electronic device is the same function initiated by activation of the comparable key on the ambulatory medical pump.

71. (New) The ambulatory remote electronic device of claim 65 wherein each of the at least one of the one or more keys have the same configuration as a key on the ambulatory medical pump controlled by the circuit.

72. (New) The ambulatory remote electronic device of claim 65 further comprising an independently programmable and operable ambulatory medical pump, the ambulatory medical pump configured to receive and process the signal received from the ambulatory remote electronic device.

73. (New) A method of programming an ambulatory medical pump from an ambulatory remote electronic device, the method comprising:

pressing a key on a user interface of an ambulatory remote electronic device;
generating a signal in the ambulatory remote electronic device in response to pressing the key on the user interface;
transmitting the signal to an ambulatory medical pump, the ambulatory medical pump having a pump mechanism and an independently programmable and operable programmable circuit programmed to control the pump mechanism; and
controlling the programmable circuit to change operation of the pump mechanism in response to the signal.

74. (New) The method of claim 73 wherein the act of transmitting the signal to an ambulatory medical pump includes transmitting the signal over a wire connected between the ambulatory remote electronic device and the ambulatory medical pump.

75. (New) The method of claim 73 wherein the act of transmitting the signal to an ambulatory medical pump includes transmitting the signal between the ambulatory remote electronic device and the ambulatory medical pump wirelessly.

76. (New) The method of claim 75 wherein the act of transmitting the signal to an ambulatory medical pump includes transmitting an infrared signal between the ambulatory remote electronic device and the ambulatory medical pump.

b) 77. (New) The method of claim 73 further comprising entering an access code on the user interface of the ambulatory remote electronic device.

